Device for determining and/or monitoring at least one physical parameter and having a piezo-drive for oscillation-excitation and -detection

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A device for determining and/or monitoring at least one physical parameter of a medium, having at least one mechanically oscillatable unit and at least one drive-/receive unit. The drive-/receive unit excites the oscillatable unit to oscillate, or, it receives the oscillations of the oscillatable unit, as the case may be. The invention includes that in the drive-/receive unit at least one piezo-drive is provided, which has at least one exterior surface. The exterior surface is composed of at least two segments of different polarization, wherein the directions of polarization are directed essentially opposite to one another. The mechanically oscillatable unit is directly or indirectly connected with the exterior surface, so that the mechanically oscillatable unit is excited to a movement, or so that the movement of the mechanically oscillatable unit is received. The movement always has at least two different force components.